

a(n,m) tabl head (triangle) for A053120

Coefficients for Chebyshev T-polynomials

n\m	0	1	2	3	4	5	6	7	8	9	10	11	12
0	1	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0
2	-1	0	2	0	0	0	0	0	0	0	0	0	0
3	0	-3	0	4	0	0	0	0	0	0	0	0	0
4	1	0	-8	0	8	0	0	0	0	0	0	0	0
5	0	5	0	-20	0	16	0	0	0	0	0	0	0
6	-1	0	18	0	-48	0	32	0	0	0	0	0	0
7	0	-7	0	56	0	-112	0	64	0	0	0	0	0
8	1	0	-32	0	160	0	-256	0	128	0	0	0	0
9	0	9	0	-120	0	432	0	-576	0	256	0	0	0
10	-1	0	50	0	-400	0	1120	0	-1280	0	512	0	0
11	0	-11	0	220	0	-1232	0	2816	0	-2816	0	1024	0
12	1	0	-72	0	840	0	-3584	0	6912	0	-6144	0	2048

This confirms the Abramowitz-Stegun table p.795.

The rows n=13 to 20 are:

n=13: [0, 13, 0, -364, 0, 2912, 0, -9984, 0, 16640, 0, -13312, 0, 4096]

n=14: [-1, 0, 98, 0, -1568, 0, 9408, 0, -26880, 0, 39424, 0, -28672, 0, 8192]

n=15: [0, -15, 0, 560, 0, -6048, 0, 28800, 0, -70400, 0, 92160, 0, -61440, 0, 16384]  
n=16: [1, 0, -128, 0, 2688, 0, -21504, 0, 84480, 0, -180224, 0, 212992, 0, -131072, 0, 32768]  
n=17: [0, 17, 0, -816, 0, 11424, 0, -71808, 0, 239360, 0, -452608, 0, 487424, 0, -278528, 0, 65536]  
n=18: [-1, 0, 162, 0, -4320, 0, 44352, 0, -228096, 0, 658944, 0, -1118208, 0, 1105920, 0, -589824, 0, 131072]  
n=19: [0, -19, 0, 1140, 0, -20064, 0, 160512, 0, -695552, 0, 1770496, 0, -2723840, 0, 2490368, 0, -1245184, 0, 262144]  
n=20: [1, 0, -200, 0, 6600, 0, -84480, 0, 549120, 0, -2050048, 0, 4659200, 0, -6553600, 0, 5570560, 0, -2621440, 0, 524288]

##### e.o.f. #####